

CLAIMS

1. A dispenser for a currency bill stored in a bin in a cash register till comprising:

a cantilever having a base at one end for being pivotally mounted in said bin to suspend a tip at an opposite end thereof; and

a traction wheel attached to said cantilever adjacent said tip, and including a traction surface around a perimeter thereof for frictionally dispensing said bill.

2. A dispenser according to claim 1 further comprising means for manually engaging said traction surface against said bill for translation thereof to eject said bill in part from said bin.

3. A dispenser according to claim 2 wherein said engaging means comprise said traction wheel being pivotally attached to said cantilever for selective rotation.

4. A dispenser according to claim 3 wherein said engaging means further comprise a plurality of circumferentially spaced apart notches in said wheel perimeter separating said traction surface into circumferential segments, with said notches being configured for manually rotating said wheel to engage said traction segments in turn upon said bill for sequential translation thereof.

5. A dispenser according to claim 4 wherein said notches are about as wide as corresponding ones of said traction surfaces.

6. A dispenser according to claim 4 wherein said traction wheel includes a bottom having a respective one of said traction surfaces for engaging a top of said bill, and said cantilever tip defines a gap relative to said wheel bottom and

bill top for guiding said bill upon dispensing thereof.

7. A dispenser according to claim 4 wherein said traction wheel is freely rotatable in opposite directions.

8. A dispenser according to claim 4 in combination with said till including a stack of said bills in said bin, and said bin includes an arcuate front ramp for guiding said dispensed bill upwardly from said bin.

9. An apparatus according to claim 8 wherein said ramp is knurled to frictionally restrain bills underlying said dispensed bill.

10. A method of operating said bill dispenser according to claim 4 comprising: lowering said cantilever to position said traction wheel atop said bill; and manually rotating rearwardly and pressing downwardly said traction wheel from atop thereof to partially dispense said bill forwardly.

11. A method according to claim 10 further comprising manually pulling said partially dispensed bill to rotate said wheel by friction therefrom and autofeed a lower bill directly beneath said dispensed bill.

12. A dispenser according to claim 3 wherein said engaging means further comprise:

a base lever having a root for being pivotally mounted in said bin, and an opposite tip pivotally attached to said cantilever base at an obtuse angle;

a spring extending between said base lever and cantilever to retract said cantilever toward said base lever; and

a push pad attached to one of said levers for manually depressing downwardly said levers against force from said spring to translate said traction

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wheel atop said bill for dispensing thereof.

13. A dispenser according to claim 12 wherein said engaging means further comprise a ratchet attached to said traction wheel, and a pawl attached to said cantilever and engaging said ratchet.

14. A dispenser according to claim 13 wherein said ratchet and pawl are configured to prevent rotation of said traction wheel in a forward direction upon depression of said pad, and permit rotation of said traction wheel in a reverse direction to roll freely atop said bill.

15. A dispenser according to claim 14 further comprising a fork pivotally mounted at a base end to said bin at said base lever root, and supporting said traction wheel 50 between spaced apart arms thereof.

16. A dispenser according to claim 15 wherein:

said traction wheel 50 includes a bottom wherein a portion of said traction surface engages a top of said bill; and

said fork arms have distal ends defining a gap relative to said wheel bottom and bill top for guiding said bill upon dispensing thereof.

17. A dispenser according to claim 14 in combination with said till including a stack of said bills in said bin, and said bin includes an arcuate front ramp for guiding said dispensed bill upwardly from said bin.

18. A method of operating said dispenser of claim 14 comprising:

lowering together said cantilever and base lever to position said traction wheel atop said bill; and

depressing said push pad downwardly to extend said base lever and

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cantilever against retraction force from said spring, and for translating forwardly said traction wheel to frictionally engage and dispense said bill.

19. A method according to claim 18 further comprising removing depression force from said push pad and allowing said spring to retract said cantilever against said base lever.

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2025 RELEASE UNDER E.O. 14176